Matthew Steffen

Leader with talents for communication and consensus-building. Interested in both Manager and I.C. roles.

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Skills

- **Engineering:** Professional experience with Go, Python, C++ and Java codebases, plus smaller projects in Typescript/React. I am always excited to learn new languages and tools.
- **Management:** Managed up to five engineers and co-managed seven, and I have hired into backend and full-stack roles. I have strong written and verbal communication skills and wrote many of Pachyderm's internal templates, handbooks and guides.

Experience

SentiLink   *Remote*
Staff Software Engineer   *March 2025 – Jan 2026*

- Developed new dependency testing framework (Python) and worked with teams across the company to add dependency test coverage to all services.
- Developed new technical strategy for protobuf API development to improve development velocity on microservices, and implemented tooling (Python) to support this strategy. I worked with teams across the company to adopt these tools and overall technical strategy for their services.

Hewlett Packard Enterprise (via Pachyderm acquisition)   *San Jose & Remote*
Software Engineering Manager   *March 2023 – Nov 2024*

- I was designated a Key Employee when HPE acquired Pachyderm in 2023.
- Led Integrations team to deliver a complete rewrite of our Jupyter extension, to meet the security requirements of HPE's customers. Starting in June 2024, co-managed a team of seven engineers, after HPE re-organized Pachyderm into this single team.

Pachyderm   *San Francisco & Remote*

Pachyderm was an integrated distributed filesystem, large-scale version control system, and pipeline orchestrator. By processing only changed data during each run, it cut the cost of of our customers' pipelines by 90% or more.

Software Engineering Manager   *Jan 2022 – Feb 2023*

- Led development of our JupyterLab extension, which allowed data scientists to bring huge datasets into Jupyter and push Jupyter notebooks back into our pipeline orchestrator. Delivery required bringing end-to-end expertise into the team, including design, frontend and backend engineering, and ops.
- Contributed to design reviews and stayed in our on-call rotation throughout my tenure as manager.

Software Engineer   *Aug 2016 – Dec 2021*

- Implemented our first authorization system, a complete rewrite of our pipeline controller, and other major improvements (Go, Kubernetes). Acted as sales engineer and support engineer, as needed for delivery.
- Started new Integrations Team, building connectors between Pachyderm and other AI/ML products (Kubeflow, Spark, and others). Acted as tech lead through its growth to five engineers.

Google   *Mountain View, CA*
Software Engineer   *Aug 2011 – July 2016*

- Independently maintained a legacy authorization service used by Search, YouTube, Docs, and other products through 2012 (Java). Joined Zanzibar in 2013 as the fourth engineer, migrating users from the legacy service and adding necessary features and improvements (C++). Contributed to Cloud IAM in late 2015 and 2016.

Education

University of Chicago   *Chicago, IL*
BS in Computer Science and Mathematics   *2007 – 2011*

- ICPC World Finalist (2010, 2011) and USA Powerlifting Collegiate National Finalist (2011)